

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Claims 1 and 7 are currently being amended.

This amendment changes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending the claims as set forth above, claims 1-10 are now pending in this application.

Claim Rejections under 35 U.S.C. § 102

Claims 1, 4, 5, 7, 8 and 10 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,947,758 (“Nguyen”). In response, Applicant amends independent claims 1 and 7 and respectfully traverses the rejection for the reasons set forth below.

Applicant relies on M.P.E.P. § 2131, entitled “Anticipation – Application of 35 U.S.C. § 102(a), (b) and (e)” which states, “a claim is anticipated only if each and every element set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” Applicant respectfully submits that Nguyen does not describe each and every element of independent claims 1 and 7 as amended.

The amended claim 1 further defines the mobile subscriber roaming number (MSRN). When the mobile subscriber is called, the Visitor Location Register (VLR) with which the called mobile subscriber is registered will assign an MSRN to the mobile subscriber. The MSRN is used for routing selection and includes the country code, the number of the Mobile Switching Center (MSC), the VLR module number and the VLR sub-number. When VMSC receives an incoming call from a mobile station and the call has an MSRN, the VMSC can obtain the VLR module number by decomposing the MSRN and can query the corresponding VLR module for the information of the mobile station.

Nguyen does not disclose, teach or suggest “said mobile subscriber roaming number is a temporary number for routing which is assigned by a Visitor Location Register, which the mobile subscriber is currently registered with, when the mobile subscriber is called” and “said mobile subscriber roaming number comprises a country code, a number of a Mobile Switching Center and a Visitor Location Register sub-number.”

Nguyen does not relate to MSRN assignment. Nguyen discloses that MSC 400 assigns a temporary identification number (e.g. TMSI) to a mobile station when receiving a cellular phone call from the mobile station and embeds address information of a VLR site in one of the VLR units into the temporary identification number. When MSC 400 receives a cellular telephone call from a user and the call has a temporary identification number, MSC 400 can determine which VLR unit based on the temporary identification number and can access the corresponding VLR site within the VLR unit from the address information embedded within the temporary identification number. See Col. 10, lines 31-43 and Col. 11, lines 1-7.

However, Nguyen only discloses that the assigned TMSI includes the address information of the VLR site in one VLR unit, but does not disclose that the MSRN also includes the VLR module number. Accordingly, even if both MSRN and TMSI include the information related to the VLR unit in the VLR, MSRN and TMSI are different numbers.

Assuming *arguendo* that the MSRN can include the VLR module number from Nguyen, the information related to the VLR unit is included by different means. For example, in Nguyen, a first portion 755 of the TMSI numbers is assigned to VLR-1 750. The first portion 755 of the TMSI numbers comprises numbers TMSI-1 through TMSI-Q. A second portion 765 of the TMSI numbers is assigned to VLR-2 760. The second portion 765 of the TMSI numbers comprises numbers TMSI-(Q+1) through TMSI-R. A final portion 775 of the TMSI numbers is assigned to VLR-3 770. The final portion 775 of the TMSI numbers comprises numbers TMSI-(R+1) through TMSI-N. See Col. 11, lines 44-56. By such fragmentation, the VLR unit can be determined based on the TMSI number. That is, when the MSC obtains the VLR unit number, first, it is determined in which fragment the TMSI number is contained, and then the VLR unit can be determined.

However, as recited in independent claims 1 and 7, the VLR module number is included in the MSRN, i.e. $MSRN = CC + MSC \text{ number} + VLR \text{ module number} + MSRN \text{ information table record number}$. By decomposing the MSRN, the VLR module number can be obtained.

Thus, Applicant respectfully requests reconsideration of claims 1 and 7, and that the rejection be withdrawn. In addition, claims 2-5, 6, and 8-10 depend from one of claims 1 or 7 and are allowable for at least the reasons set forth above.

Claim Rejections under 35 U.S.C. § 103

Claims 2, 3 and 9 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Nguyen in view of U.S. Patent No. 6,148,200 ("Lahtinen").

Claims 2, 3 and 9 depend from one of amended claims 1 or 7 and are allowable for at least the reasons set forth above without regard to further patentable limitations recited therein. Accordingly, Applicant respectfully requests reconsideration of claims 3 and 4 and that the rejection be withdrawn.

Conclusion

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for


such extension under 37 C.F.R. § 1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5485
Facsimile: (202) 672-5399

By  Reg. No. 59,376

 William T. Ellis
Attorney for Applicant
Registration No. 26,874